DECLARATION FOR UTILITY OR		Attorney Docket Number	47-17 US Terence Neil Thomas		
DECLARATION FOR UTILITY OR DESIGN					
PATENT APPLICATION (37 CFR 1.63)		COMPLETE IF KNOWN			
☑ Declaration Submitted With Initial Filing	_	Declaration Submitted After Initial Filing (37 CFR 1.16(e) Required)	Application Number		
	OR		Filing Date		
			Group Art Unit		
			Examiner Name		

As a below named i	nventor, I hereby decl	are that:				
My residence, post o	ffice address, and citize	nship are as stated belo	w next to	my name.		•
-	-	ntor (if only one name is ect matter which is claim			-	
·	CALCULATING AF	PARATUS HAVING A F	PLURAL	ITY OF STAGES	6	
the specification of w	hich					
is attached here	to OR			·		
		_ as United States Appl amended on (MM/DD/Y)		umber or PCT li	nternational Ap	oplication
		rstand the contents of th		-identified speci	fication, includ	ing the
continuation-in-part a	ipplications, material inf	on which is material to pa ormation which became onal filing date of the cor	available	e between the fil	ing date of the	
inventor's certificate, the United States of	or 365(a) of any PCT ir America, listed below a 's certificate, or of any I	35 U.S.C. 119(a)-(d) or ternational application wand have also identified be PCT international application	which des elow, by	signated at least checking the bo	one country o x, any foreign	ther than application
Prior Foreign	_	Foreign Filing Date			Certified Copy	/ Attached?
Application Number(s)	Country	(MM/DD/YYYY)	Prior	ity Not Claimed	Yes	No
☐ Additional forei	gn application numbers are	listed on a supplementary	priority da	ata sheet (PTO/SE	3/02B) attached	hereto:
I hereby cla	im the benefit under 35 U.	S.C. 119(e) of any United S	states pro	visional applicatior	n(s) listed below.	
Application No	umber(s) F	Filing Date (MM/DD/YYYY)		· numbers are	rovisional application e listed on a supplemental sheet PTO/SB/02B reto.	



Attorney Docket No. 47-17 US

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

I hereby appoint Practitioners at Customer Number 25319

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Direct all correspondence to:

Gordon Freedman, Reg. No. 41,553

Freedman & Associates

117 Centrepointe Drive, Suite 350 Nepean, Ontario, K2G 5X3 Canada

Tel: 613-274-7272 Fax: 613-274-7414

I hereby declare that all statements made herein of my own knowledge are true and that all statements were made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST	☐ A petition has been filed for this unsigned inventor					
Given Name		<u> </u>	Family Name	-		
(first and middle [if any])	Terence Neil		or Surname	Thomas		
Inventor's Signature	Thomas	•		Date 3	Noy 2001	
Residence: City Otta	wa Prov. ON	Country	Canada	Citizenship	•	
Mailing Address 45 K	Mailing Address 45 Kings Landing Pvt., Ottawa, Ontario, K1S 5P8, Canada					
Mailing Address						
City	State	ZIP		Country		
NAME OF SECOND INVEN	NTOR:	. 🗆	A petition has been	filed for this u	nsigned inventor	
Given Name			Family Name		<u> </u>	
(first and middle [if any])	Stephen J.		or Surname	Davis		
Inventor's Signature		<u>) </u>		Date W	as 03/2001	
Residence: City Nepo	ean Prov. ON	Country	Canada	Citizenship	' (Canadian	
Mailing Address 14 W	/iltshire Circle, Nepean,	Ontario, I	K2J 4L1, Canada			
Mailing Address						
City	04-4-	710				
City Additional Inventors are I	State	ZIP	Additional Inventor(a) a	Country	/00A attached barris	
Additional Inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto						